

AMENDMENT TO THE SPECIFICATION

Please replace paragraph [0004] on pages 2-3 with the following paragraph:

[0004] Traditional methods of plant breeding also have yielded modest gains in increasing the oil and protein content of cotton seed, while decreasing the gossypol content (Bassett *et al.*, 1996). Transgenic technology has been used to modify seed constituents, focusing on lipid or protein profile and increasing the sugar, oil or protein content. Willmitzer *et al.* (2000) have reported antisense suppression of starch and protein to augment sugar or protein content, while Lassner *et al.* (2002a, 2002b, 2002c) have suggested suppression of the lipid triacylglycerol in corn and soybeans to produce novel lipids. Lipid modification in oil seed crops (*e.g.*, canola™ *Brassica napus*, *B. rapa* and *B. juncea*, rapeseed, sunflower, soybean, safflower and cotton) has been an active area of research focused on increasing total lipid content and altering the lipid profile. See Chapman *et al.*, 2001; Liu *et al.*, 2002a; Katavic *et al.*, 1995; Ohlrogge *et al.*, 1997; Taylor *et al.*, 2001; Zou *et al.*, 1997; Brown *et al.*, 2002. Of the oil seed crops, only in cotton is the seed-oil of relatively low economic value compared to another natural yield component (cellulose).

Please replace paragraph [00013] on pages 5-6 with the following paragraph:

[00013] Therefore, in one embodiment, the invention provides a reduced seed-oil content plant cell that expresses a seed-oil suppressing gene under control of a plant-active promoter which exhibits a reduction in seed-oil and a concomitant increase in plant carbohydrate, protein or both and where the seed-oil suppressing gene is selected from the group consisting of a mutant allele of a gene naturally occurring in said plant and a transgene. Preferred plants for use in the invention are selected from the group consisting of cotton, corn, soybean, canola™ *B. napus*, *B. rapa* and *B. juncea* and wheat. The invention provides, in another embodiment, a reduced seed-oil content plant which comprises a cell as described above. In yet another embodiment, the invention provides a

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reduced seed-oil content plant as described above that has enhanced fiber yield. Such reduced seed-oil content plants may be an elite or primitive cultivar.

Please replace the paragraph referring to reference 110 on page 57 (i.e., lines 3-4) with the following paragraph.

110. Rayburn ST Jr, Keene ER (2001) 2001 National Cotton Variety Tests: <http://msa.ars.usda.gov/stoneville/cgpr/ncvt/01/2001book.htm>. Tests. <http://msa.ars.usda.gov/stoneville/cgpr/ncvt/01/2001book.htm>.

Please replace the paragraph referring to the reference 145 on page 60 (i.e., lines 8-9) with the following paragraph.

145. USDA-AMS (2002) Market News Reports - Cotton. United States Department of Agriculture, Agriculture Marketing Service. <http://www.ams.usda.gov>. Service. <http://www.ams.usda.gov>.